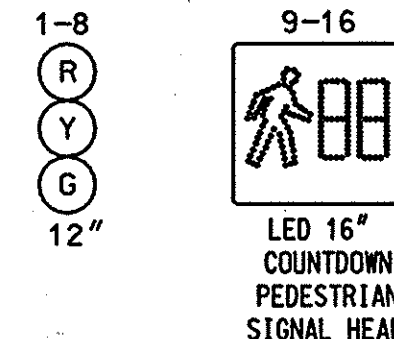
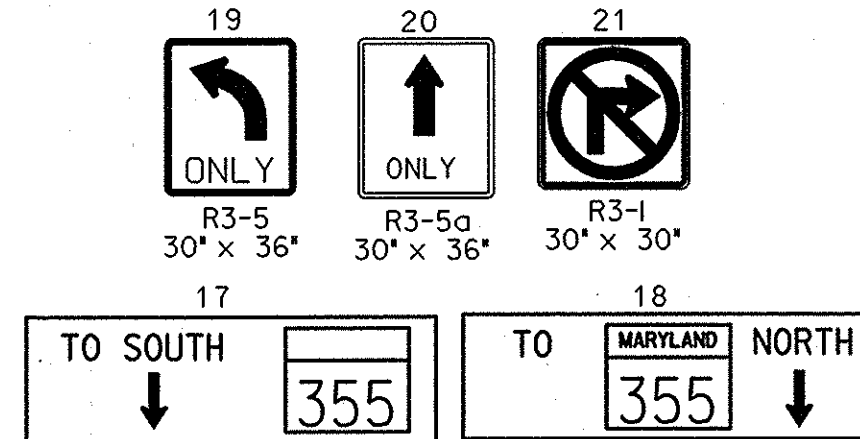
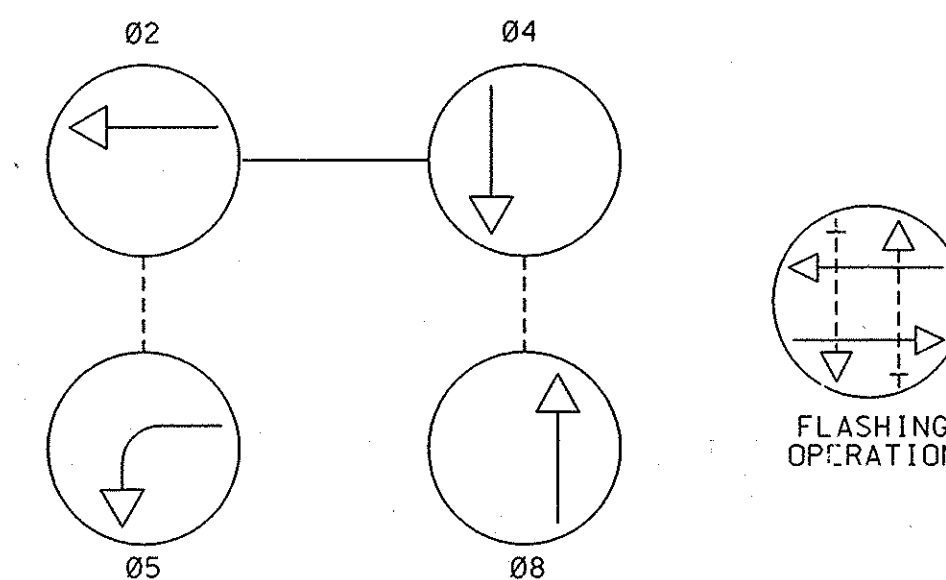


NEMA PHASING

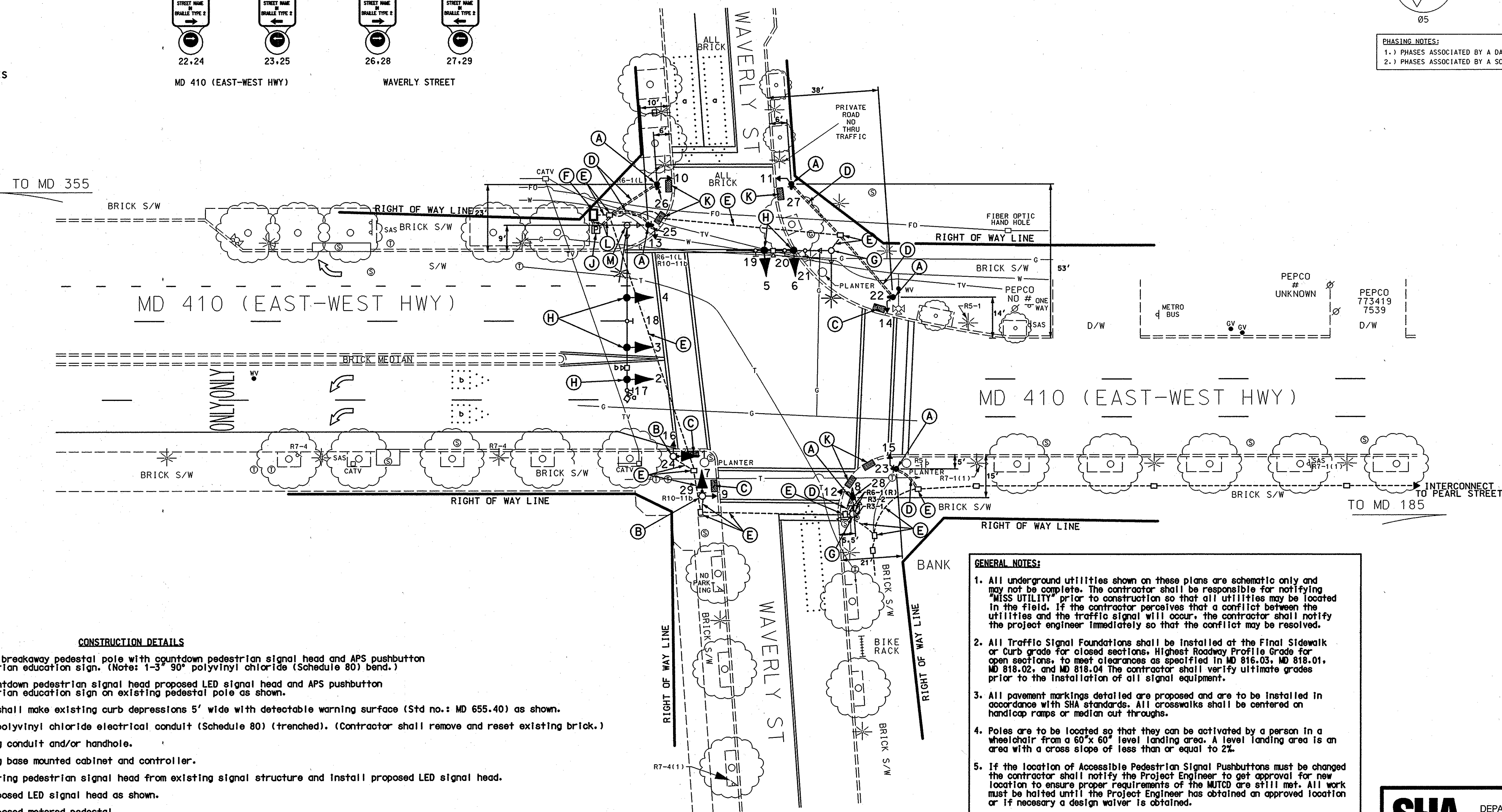


- ☐ - VIDEO DETECTION CAMERA a,b
- ◎ - SURVEILLANCE CAMERA



PHASING NOTES:

- 1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
- 2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



- A. Install 10' breakaway pedestal pole with countdown pedestrian signal head and APS pushbutton with pedestrian education sign. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)
- B. Install countdown pedestrian signal head proposed LED signal head and APS pushbutton with pedestrian education sign on existing pedestal pole as shown.
- C. Contractor shall make existing curb depressions 5' wide with detectable warning surface (Std no.: MD 655.40)
- D. install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched). (Contractor shall remove and resurface existing curb and sidewalk.)
- E. Use existing conduit and/or handhole.
- F. Use existing base mounted cabinet and controller.
- G. Remove existing pedestrian signal head from existing signal structure and install proposed LED signal head.
- H. Install proposed LED signal head as shown.
- J. Install proposed metered pedestal.
- K. Install detectable warning surface (STD no.: MD 655.40) as shown.
- L. Install 2" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- M. Remove existing pedestrian signal heads from signal structure.

1. All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" prior to construction so that all utilities may be located in the field. If the contractor perceives that a conflict between the utilities and the traffic signal will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.
2. All Traffic Signal Foundations shall be installed at the Final Sidewalk or Curb grade for closed sections, Highest Roadway Profile Grade for open sections, to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, and MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
3. All pavement markings detailed are proposed and are to be installed in accordance with MSHA standards. All crosswalks shall be centered on handicap ramps or median cut throughs.
4. Poles are to be located so that they can be activated by a person in a wheelchair from a 60" x 60" level landing area. A level landing area is an area with a cross slope of less than or equal to 2%.
5. If the location of Accessible Pedestrian Signal Pushbuttons must be changed, the contractor shall notify the Project Engineer to get approval for new location to ensure proper requirements of the MUTCD are still met. All work must be halted until the Project Engineer has obtained an approved location or if necessary a design waiver is obtained.
6. Pushbutton is to be located so that a pedestrian in a wheelchair located on the level landing area, does not have to reach more than 18".
7. The 10' separation between pushbuttons is to be measured from face of pushbutton to face of pushbutton.
8. The contractor shall remove all unused wiring.

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 410 (EAST-WEST HWY)
AND WAVERLY STREET

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE _____ CONTRACT NO. _____

DESIGNED BY	MONT.CO.	COUNTY	MONTGOMERY
DRAWN BY	MONT.CO.	LOGMILE	15W41000.08
CHECKED BY	MONT.CO.	TIMS NO.	H162
F.A.P. NO.		TOD NO.	

TS NO. 1382	DRAWING NO. 1 OF 2	SHEET NO. 17 OF 42
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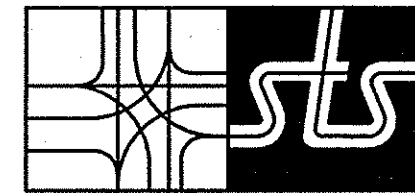
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LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	— A — A —
ELECTRIC	— E — E —
TELEPHONE	— T — T —
GAS	— G — G —
SEWER	— S — S —
WATER	— W — W —
CABLE TV	— TV — TV —

REVISION "A"



STREET TRAFFIC STUDY
400 Crain Hwy., N.W.
Glen Burnie, MD. 21061

5136a.dgr

T-24

APPROVALS

TEAM LEADER

ASST. DIV. CHIEF

DIVISION CHIEF

OFFICE DIRECTOR

REVISIONS

(A) 6-18-07
INSTALL APS, CPS & LED SIGNALS
SHA NO.: M02825185

JWA	C.R.	B.G.	MAC	NW	TN
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